

Converting Colors

XYZ(59.8455, 66.1640, 10.1909)

Have a look what the booklet for
XYZ(59.8455, 66.1640, 10.1909)
contains.

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Color

**XYZ(59.8386, 66.1574,
10.1881)**

Conversions

Conversions Part 1

Format	Color
Hex	F0D512
RGB	240, 213, 18
RGB Percent	94%, 84%, 7%
CMY	0.0588, 0.1647, 0.9293
CMYK	0.00, 0.11, 0.92, 0.06
HSL	53°, 88%, 51%
HSV	53°, 92%, 94%
XYZ	59.8386, 66.1574, 10.1881
YIQ	198.8430, 78.6870, -54.9210

Conversions

Conversions Part 2

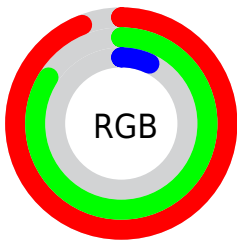
Format	Color
RYB	49, 240, 18
Decimal	15783186
CIELab	85.08, -7.14, 83.47
CIELCh	85, 83.777, 94.890
Yxy	66.1574, 0.4394, 0.4858
Android (android.graphics.Color)	4293973266 (0xFFFF0D512)
YUV	198.8430, -89.1556, 36.0947
Hunter-Lab	81.3372, -11.0202, 49.5095

Details

The XYZ color **59.8386, 66.1574, 10.1881** is a light color, and the websafe version is hex **FFCC00**. The color can be described as light washed yellow. A complement of this color would be **16.9167, 8.2976, 83.1474**, and the grayscale version is **54.6872, 57.5352, 62.6558**.

A 20% lighter version of the original color is **78.9758, 93.5703, 24.2543**, and **30.9885, 34.3800, 5.0027** is the 20% darker color. If you saturate the color by 10%, you get **59.1833, 65.0220, 9.4312**, and if you desaturate by 10%, it is **60.8897, 67.7656, 12.0631**.

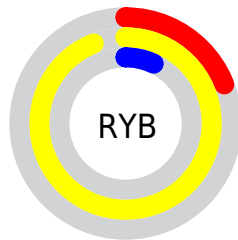
Distribution



Red (94%)

Green (84%)

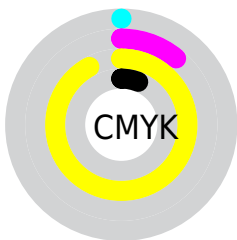
Blue (7%)



Red (19%)

Yellow (94%)

Blue (7%)

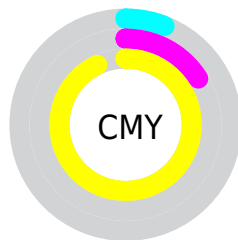


Cyan (0%)

Magenta (11%)

Yellow (92%)

Black (6%)



Cyan (6%)


Magenta (16%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.8386, 66.1574, 10.1881 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 59.8386, 66.1574, 10.1881 by changing the saturation by 10% instead.


 59.8386, 66.1574,
10.1881

 59.8386, 66.1574,
10.1881


413.8469,
446.9396, 202.5427


 43.5375, 48.4002,
5.4166


 103.7032,
113.7122, 26.7620


 30.5034, 34.1439,
2.4307


 131.9974,
144.2786, 39.4016

 20.3710, 23.0042,
0.8031


 165.0200,
179.8835, 55.5009

 12.7748, 14.5966,
0.0000

 203.1364,
220.9113, 75.4785

 7.3496, 8.5368,
0.0000

 246.7119,
267.7465, 99.7529

 3.7300, 4.4403,
0.0000

 296.1120,

 1.5505, 1.9228,

320.7733, 128.7427

0.0000

351.7018,
380.3762, 162.8665

■ 0.3598, 0.5620,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 59.8386, 66.1574,
10.1881

■ 59.8386, 66.1574,
10.1881

■ 59.1833, 65.0220,
9.4312

■ 60.8897, 67.7656,
12.0631

■ 62.2094, 69.4999,
15.2931

■ 63.8391, 71.3796,
20.0899

■ 65.8120, 73.4180,
26.6274

■ 68.1567, 75.6267,
35.0568

■ 70.8989, 78.0160,
45.5126

■ 74.0620, 80.5955,
58.1174

■ 77.6673, 83.3738,
72.9837

■ 81.7349, 86.3589,
90.2163

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.5640, 66.1574, 12.9713



59.8386, 66.1574, 10.1881



44.3298, 66.1574, 16.0054

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



59.8386, 66.1574, 10.1881



37.5728, 66.1574, 149.2976



101.7784, 66.1574, 125.7237

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



59.8386, 66.1574, 10.1881



16.9167, 8.2976, 83.1474

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.9960, 66.1574, 195.2658



59.8386, 66.1574, 10.1881



48.7094, 66.1574, 212.9951

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



59.8386, 66.1574, 10.1881



33.2205, 66.1574, 81.2586



66.0240, 66.1574, 233.0389



106.3901, 66.1574, 63.5356

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



59.8386, 66.1574, 10.1881



37.6293, 66.1574, 27.2818



66.0240, 66.1574, 233.0389



97.4680, 66.1574, 149.8272

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



59.8401, 66.1606, 10.1894



82.9024, 90.8090, 58.2863



36.6771, 19.1686, 4.5217



17.4208, 19.1682, 11.2000



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



59.8401, 66.1606, 10.1894



67.8935, 74.5671, 10.8145



45.4893, 69.6942, 11.6278



16.9493, 18.1117, 16.7523



32.4643, 35.7267, 5.1849



2.7465, 3.0636, 0.4466

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



16.9167, 8.2976, 83.1474



18.5402, 8.2004, 95.2134



21.1353, 9.4003, 83.1379



15.0521, 15.5383, 19.9275



8.9030, 4.0303, 45.4366



0.7903, 0.4346, 3.7964

Previews

White Background



This preview shows how the XYZ color 59.8386, 66.1574, 10.1881 looks on a white background.

Color Contrast Check

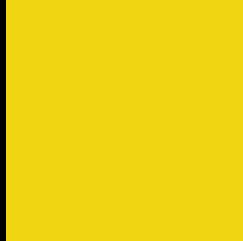
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 59.8386, 66.1574, 10.1881 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 59.8386, 66.1574, 10.1881

Background



This preview shows how black text looks on a background with the XYZ color 59.8386, 66.1574, 10.1881.



This preview shows how white text looks on a background with the XYZ color 59.8386, 66.1574,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

59.8386, 66.1574, 10.1881

Protanopia

59.8386, 66.1574, 10.1881

Deuteranopia

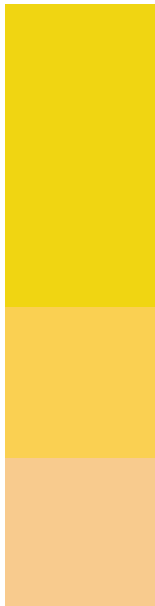
66.3413, 66.2306, 26.4268



Tritanopia

72.3492, 65.8877, 71.8552

Trichromacy



Original Color

59.8386, 66.1574, 10.1881

Protanomaly

59.8386, 66.1574, 10.1881

Deuteranomaly

63.5032, 66.0449, 17.3836

Tritanomaly

64.9498, 64.6213, 34.6411

Monochromacy



Original Color

59.8386, 66.1574, 10.1881

Achromatopsia

54.2854, 57.1125, 62.1955

Achromatomaly

53.5581, 59.1753, 30.7895

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.8386, 66.1574, 10.1881 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(240, 213, 18)` looks like.

```
.text, #text, p{  
    color:rgb(240, 213, 18)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(240, 213, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 213, 18) }
```

Border

The CSS property to change the border of an element to XYZ 59.8386, 66.1574, 10.1881 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(240, 213, 18) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(240, 213, 18) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(240, 213, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 213, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 213, 18);  
box-shadow:4px 4px 4px 4px rgb(240, 213,  
18) }
```

Background

The CSS property to change the background color of an element to XYZ 59.8386, 66.1574, 10.1881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 213, 18) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(240,  
213, 18) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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